

CLAIMS

[1] A two-pack curable composition comprising
plastisol liquid A which compounds a thermoplastic resin
and a plasticizer, and liquid B which compounds a gelling
5 agent, wherein said composition gels at room temperature on
mixing liquid A and liquid B.

[2] The two-pack curable composition according to
claim 1, wherein liquid B compounds a component which
dissolves or swells the thermoplastic resin in liquid A.

10 [3] The two-pack curable composition according to
claim 1 or 2, wherein liquid B compounds a gelling agent
selected from the group consisting of plasticizers, high-
boiling solvents, organic solvents and monomers of
thermoplastic resins.

15 [4] The two-pack curable composition according to any
one of claims 1 to 3, wherein the thermoplastic resin is an
acrylic resin.

[5] The two-pack curable composition according to any
one of claims 1 to 4, wherein the gelling agent is selected
20 from the group consisting of (meth)acrylate monomers and
benzoate plasticizers.

[6] The two-pack curable composition according to any
one of claims 1 to 5, wherein the gelling agent is a
(meth)acrylate monomer or a mixture of a (meth)acrylate
25 monomer and a benzoate plasticizer.

[7] The two-pack curable composition according to any
one of claims 1 to 6, which further comprises a
thermosetting resin and a latent curing agent thereof.

[8] The two-pack curable composition according to claim 7, wherein the thermosetting resin is an epoxy resin.

[9] The two-pack curable composition according to any one of claims 1 to 8, which is a two-pack curable
5 composition used in an automobile manufacturing line.

[10] The two-pack curable composition according to any one of claims 1 to 9, wherein a gelling time of the mixture of liquids A and B is from 30 seconds to 60 minutes at room temperature after mixing.

10 [11] The two-pack curable composition according to any one of claims 1 to 10, wherein the mixture of liquids A and B has a sprayable viscosity, and gels within a period of time from 30 seconds to 60 minutes at room temperature after application.

15 [12] The two-pack curable composition according to any one of claims 1 to 11, which compounds 50 to 150 parts by weight of the gelling agent per 100 parts by weight of the thermoplastic resin.

[13] The two-pack curable composition according to any
20 one of claims 1 to 12, the mixture of liquids A and B has a viscosity of 50 to 200 Pa.s (at 20°C).

[14] A process for sealing automobile body parts comprising the steps of applying, as a body or seam sealer, a two-pack curable composition according any one of claims
25 1 to 13 to automobile body parts assembled by spot-welding the parts which have been press molded in a body-welding step of an automobile manufacturing line and then passing them in a coating step and an assembling step while the

composition is in a gelled state.

[15] A process for coating an automobile body part comprising the steps of applying, as an underbody coating, a two-pack curable composition according any one of claims 1 to 13 to the automobile body parts assembled by spot-welding the parts which have been press molded in a body-welding step of an automobile manufacturing line and then passing them in a coating step and an assembling step while the composition is in a gelled state.

10 [16] A process for bonding automobile body parts comprising the steps of applying, as an adhesive, a two-pack curable composition according any one of claims 1 to 13 to the automobile body parts which have been press molded in a body-welding step of an automobile
15 manufacturing line and gelling the composition, whereby the deformation of the adhesive is prevented in subsequent treating steps.